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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/981,151A

DATE: 10/01/2002 P.6
TIME: 15:06:39

Input Set : A:\CURA-468.txt

Output Set: N:\CRF4\10012002\I981151A.raw

3 <110> APPLICANT: Edinger, Shlomit R
4 Gerlach, Valerie
5 MacDougall, John R
6 Malyankar, Muriel M
7 Smithson, Glennnda
8 Millet, Isabelle
9 Peyman, John A
10 Stone, David J
11 Gunther, Erik
12 Ellerman, Karen
13 Shimkets, Richard A
14 Padigaru, Muralidhara
15 Guo, Xiaojia
16 Patturajan, Meera
17 Taupier Jr, Raymond J
18 Burgess, Catherine E
19 Zerhusen, Bryan D
20 Kekuda, Ramesh
21 Spytek, Kimberly A
22 Gangolli, Esha A
23 Fernandes, Elma R
24 Gorman, Linda
26 <120> TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
28 <130> FILE REFERENCE: 21402-168
30 <140> CURRENT APPLICATION NUMBER: 09/981,151A
31 <141> CURRENT FILING DATE 2001-10-16
33 <150> PRIOR APPLICATION NUMBER: 60/241,040
34 <151> PRIOR FILING DATE 2000-10-17
36 <150> PRIOR APPLICATION NUMBER: 60/241,058
37 <151> PRIOR FILING DATE 2000-10-17
39 <150> PRIOR APPLICATION NUMBER: 60/241,063
40 <151> PRIOR FILING DATE 2000-10-17
42 <150> PRIOR APPLICATION NUMBER: 60/241,243
43 <151> PRIOR FILING DATE: 2000-10-17
45 <150> PRIOR APPLICATION NUMBER: 60/242,152
46 <151> PRIOR FILING DATE: 2000-10-20
48 <150> PRIOR APPLICATION NUMBER: 60/242,482
49 <151> PRIOR FILING DATE: 2000-10-23
51 <150> PRIOR APPLICATION NUMBER: 60/242,611
52 <151> PRIOR FILING DATE 2000-10-23
54 <150> PRIOR APPLICATION NUMBER: 60/242,612
55 <151> PRIOR FILING DATE 2000-10-23
57 <150> PRIOR APPLICATION NUMBER: 60/242,880

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64 <151> PRIOR FILING DATE: 2000-12-29
66 <150> PRIOR APPLICATION NUMBER: 60/269,813
67 <151> PRIOR FILING DATE 2001-02-20
69 <150> PRIOR APPLICATION NUMBER 60/286,324
70 <151> PRIOR FILING DATE: 2001-04-25
72 <150> PRIOR APPLICATION NUMBER: 60/294,108
73 <151> PRIOR FILING DATE 2001-05-29
75 <150> PRIOR APPLICATION NUMBER: 60/303,968
76 <151> PRIOR FILING DATE: 2001-07-09
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109 gaaaaccaaa cactgcatgt tctcactcaa tatgacctg tctctgccta cgaggttgac 420
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174 Leu Leu Ala Gln Val Ala Glu Gln Val Ser Pro Gly Arg Ser His Gln

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175          20          25          30
177 Arg Gly Asn Arg Gly Ser Gly Gln Leu Glu Ala Ser Pro Pro Arg Leu
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180 Leu Ser Arg Gly Pro Arg Arg Leu Thr Ala Met Ser Pro Leu Phe Ser
181          50          55          60
183 Ala Gly Thr Cys Val Arg His Gly Thr Arg Ser Gly Ser Ala Trp Glu
184 65          70          75          80
186 Pro Glu Arg Pro Ala Ser Ser Ser Thr Arg Gly Ala Ala Gly Leu Asp
187          85          90          95
189 Gly Lys Gly Arg Asp Met Asp Glu Ala Gly Asn His Arg Ser Gln Gln
190          100          105          110
192 Thr Asn Thr Gly Thr Glu Asn Gln Thr Leu His Val Leu Thr Gln Tyr
193          115          120          125
195 Asp Leu Val Ser Ala Tyr Glu Val Asp His Arg Gly Asp Tyr Val Ser
196          130          135          140
198 His Glu Ile Met His His Gln Arg Arg Arg Arg Ala Val Ala Val Ser
199 145          150          155          160
201 Glu Val Glu Ser Leu His Leu Arg Leu Lys Gly Pro Arg His Asp Phe
202          165          170          175
204 His Met Asp Leu Arg Thr Ser Ser Ser Leu Val Ala Pro Gly Phe Ile
205          180          185          190
207 Val Gln Thr Leu Gly Lys Thr Gly Thr Lys Ser Val Gln Thr Leu Pro
208          195          200          205
210 Pro Glu Asp Phe Cys Phe Tyr Gln Gly Ser Leu Arg Ser His Arg Asn
211          210          215          220
213 Ser Pro Ser His Gly Gly Lys Phe Cys Glu Gly Ser Thr Arg Thr Leu
214 225          230          235          240
216 Lys Leu Cys Asn Ser Gln Lys Cys Pro Arg Asp Ser Val Asp Phe Arg
217          245          250          255
219 Ala Ala Gln Cys Ala Glu His Asn Ser Arg Arg Phe Arg Gly Arg His
220          260          265          270
W--> 222 Tyr Lys Trp Lys Pro Tyr Thr Gln Val Glu Xaa Asp Leu Cys Lys Leu
223          275          280          285
225 Tyr Cys Ile Ala Glu Gly Phe Asp Phe Phe Phe Ser Leu Ser Asn Lys
226          290          295          300
228 Val Lys Asp Gly Thr Pro Cys Ser Glu Asp Ser Arg Asn Val Cys Ile
229 305          310          315          320
231 Asp Gly Ile Cys Glu Leu Ser Val Val Ser Thr Ser Ala His Met Pro
232          325          330          335
234 Gln Pro Pro Lys Glu Asp Leu Phe Ile Leu Pro Asp Glu Tyr Lys Ser
235          340          345          350
237 Cys Leu Arg His Lys Arg Ser Leu Leu Arg Ser His Arg Asn Glu Glu
238          355          360          365
240 Leu Asn Val Glu Thr Leu Val Val Val Asp Lys Lys Met Met Gln Asn
241          370          375          380
243 His Gly His Glu Asn Ile Thr Thr Tyr Val Leu Thr Ile Leu Asn Met
244 385          390          395          400
246 Val Ser Ala Leu Phe Lys Asp Gly Thr Ile Gly Gly Asn Ile Asn Ile
247          405          410          415

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249 Ala Ile Val Gly Leu Ile Leu Leu Glu Asp Glu Gln Pro Gly Leu Val
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252 Ile Ser His His Ala Asp His Thr Leu Ser Ser Phe Cys Gln Trp Gln
253           435           440           445
255 Ser Gly Leu Met Gly Lys Asp Gly Thr Arg His Asp His Ala Ile Leu
256           450           455           460
258 Leu Thr Gly Leu Asp Ile Cys Ser Trp Lys Asn Glu Pro Cys Asp Thr
259 465           470           475           480
261 Leu Gly Phe Ala Pro Ile Ser Gly Met Cys Ser Lys Tyr Arg Ser Cys
262           485           490           495
264 Thr Ile Asn Glu Asp Thr Gly Leu Gly Leu Ala Phe Thr Ile Ala His
265           500           505           510
267 Glu Ser Gly His Asn Phe Gly Met Ile His Asp Gly Glu Gly Asn Met
268           515           520           525
270 Cys Lys Lys Ser Glu Gly Asn Ile Met Ser Pro Thr Leu Ala Gly Arg
271           530           535           540
273 Asn Gly Val Phe Ser Trp Ser Pro Cys Ser Arg Gln Tyr Leu His Lys
274 545           550           555           560
276 Phe Leu Ser Thr Ala Gln Ala Ile Cys Leu Ala Asp Gln Pro Lys Pro
277           565           570           575
279 Val Lys Glu Tyr Lys Tyr Pro Glu Lys Leu Pro Gly Glu Leu Tyr Asp
280           580           585           590
282 Ala Asn Thr Gln Cys Lys Trp Gln Phe Gly Glu Lys Ala Lys Leu Cys
283           595           600           605
285 Met Leu Asp Phe Lys Lys Asp Ile Cys Lys Ala Leu Trp Cys His Arg
286           610           615           620
288 Ile Gly Arg Lys Cys Glu Thr Lys Phe Met Pro Ala Ala Glu Gly Thr
289 625           630           635           640
291 Ile Cys Gly His Asp Met Trp Cys Arg Gly Gly Gln Cys Val Lys Tyr
292           645           650           655
294 Gly Asp Glu Gly Pro Lys Pro Thr His Gly His Trp Ser Asp Trp Ser
295           660           665           670
297 Ser Trp Ser Pro Cys Ser Arg Thr Cys Gly Gly Gly Val Ser His Arg
298           675           680           685
300 Ser Arg Leu Cys Thr Asn Pro Asn Pro Ser His Gly Gly Lys Phe Cys
301           690           695           700
303 Glu Gly Ser Thr Arg Thr Leu Lys Leu Cys Asn Ser Gln Lys Cys Pro
304 705           710           715           720
306 Arg Asp Ser Val Asp Phe Arg Ala Ala Gln Cys Ala Glu His Asn Ser
307           725           730           735
309 Arg Arg Phe Arg Gly Arg His Tyr Lys Trp Lys Pro Gln Asp Leu Cys
310           740           745           750
312 Lys Leu Tyr Cys Ile Ala Glu Gly Phe Asp Phe Phe Phe Ser Leu Ser
313           755           760           765
315 Asn Lys Val Lys Asp Gly Thr Pro Cys Ser Glu Asp Ser Arg Asn Val
316           770           775           780
W--> 318 Cys Ile Asp Gly Ile Cys Glu Xaa Gly Cys Asp Asn Val Leu Gly Ser
319 785           790           795           800
321 Asp Ala Val Glu Asp Val Cys Gly Val Cys Asn Gly Asn Asn Ser Ala

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 857,858,2383,2983
Seq#:2; Xaa Pos. 283,792
Seq#:23; N Pos. 2196,2230,2261,2270,2295,2301
Seq#:34; Xaa Pos. 450
Seq#:65; Xaa Pos. 41

VERIFICATION SUMMARY

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Input Set A:\CURA-468.txt

Output Set N:\CRF4\10012002\I981151A.raw

L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 1 after pos.:840
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 1 after pos.:2340
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 1 after pos.:2940
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 2 after pos.:272
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 2 after pos.:784
L:1977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 23 after pos.:2160
L:1978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 23 after pos.:2220
L:1979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 23 after pos.:2280
L:3377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 34 after pos.:448
L:6527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 65 after pos.:32